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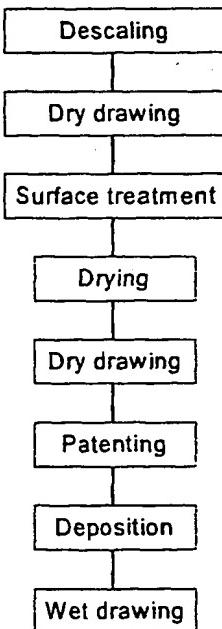
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(54) Title: METHODS FOR PRODUCING COATED METAL WIRE



(57) Abstract: A method for producing a metal wire for reinforcing an elastomeric material as well as a metal wire and a metal cord for reinforcing such an elastomeric material are described. The metal wire comprises a metal core having a predetermined initial diameter and a metal coating layer. The method comprises the steps of: a) submitting the core to at least one surface treatment for predisposing the surface of the core to being coated with the coating layer; b) thermally treating the core; c) depositing the metal coating layer to a predetermined initial thickness on the core by means of a plasma deposition technique; and d) drawing the coated core until the core has a final diameter smaller than said predetermined initial diameter and the metal coating layer has a final thickness smaller than said predetermined initial thickness. Advantageously, it is possible to obtain a wire coated in a uniform and homogeneous manner, including a core having a smooth surface suitable for the deposition of the coating layer and a structure suitable for the cold deformation involved in the drawing step.

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

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Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

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Patent family members are listed in annex.

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